

REMARKS

The present invention is a method of classifying Internet Protocol (IP) data to be sent from a source apparatus to a destination apparatus in a packet switched network, and a router for use in a packet switched network transmission of IP data to be sent from a source apparatus to a destination apparatus. In accordance with the embodiments of the invention, classification of data at a first node is based upon source routing information of the data contained in a routing header or the source routing information is provided within one of a LSRR and SSRR of said data for IPv4. See page 9, lines 23-27 through page 11, lines 1-10, of the specification.

Claims 1, 13 and 25 stand rejected under 35 U.S.C. §102 as being anticipated by United States Patent 6,674,760 (Walrand et al).

Each of independent claims 1, 13 and 25 respectively recite a method of classifying Internet Protocol (IP) data to be sent from a source apparatus to a destination apparatus in a packet switched network; a router for use in a packet switched network for transmission of Internet Protocol (IP) data to be sent from a source apparatus to a destination apparatus and router for use in a packet switched network for transmission of Internet Protocol (IP) data to be sent from a source apparatus to a destination apparatus limited to receiving of data at a first node is recited followed by classifying data at the first node based on source routing information of the data contained in a routing header and independent claims 5, 17 and 30 respectively recite a method and routers limited to the source routing information being provided with one of a loose source and record route (LSRR) and a strict source and record route (SSRR) of data for IPv4. Walrand et al teach the classification of a packet based upon IP destination and source addresses and a

class of service identifier. Classification based upon destination and source addresses and a class of service identifier does not meet the aforementioned limitations in the independent claims. See column 2, lines 33-46, and column 3, lines 14-63. Walrand et al do not teach anything which would motivate a person of ordinary skill in the art to arrive at the aforementioned subject matter, including classification of the data at a first node based on source routing information wherein the source routing information is either contained in a routing header or one of LSRR and SSRR of data for IPv4.

It is noted that the Examiner discusses in sections 3-7 claims 8-12, 20-24 and 33-37. It is understood from this description that the Examiner intended to reject those claims on grounds of anticipation over Walrand et al. These claims are patentable for the same reasons set forth above with respect to independent claims 1, 13 and 25.

Claims 2-4, 14-16, 26-28 and 29 stand rejected under 35 U.S.C. §103 as being unpatentable over Walrand et al in view of United States Patent 6,452,915 (Jorgensen). This ground of rejection is traversed for the following reasons.

At the outset it is noted in Section 8 that the Examiner refers to column 2, lines 29-30, of Walrand et al teaching source routing information within a routing header of said data. However, column 29, lines 29-30, do not describe a routing header as a person of ordinary skill in the art understands that terminology to be used. Jorgensen has been cited as teaching that an IP network layer can be IPv4 or IPv6. This does not cure the deficiencies noted above with respect to Walrand et al.

Claims 5-7, 17-19 and 30-32 stand rejected under 35 U.S.C. §103 as being unpatentable over Walrand et al in view of Jorgensen further in view of

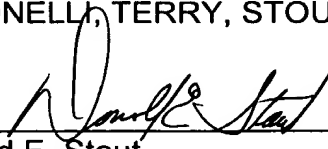
United States Patent 6,157,955 (Narad et al). Narad has been cited for disclosing LSRR and SSRR in column 96. However, the existence of LSRR and SSRR in Narad et al would not motivate a person of ordinary skill in the art to utilize one of LSRR and SSRR as source routing information as recited in independent claims 5, 17 and 30.

In view of the foregoing amendments and remarks, it is submitted that each of the claims in the application is in condition for allowance. Accordingly, early allowance thereof is respectfully requested.

To the extent necessary, Applicants petition for an extension of time under 37 C.F.R. §1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 01-2135 (0172.39657X00) and please credit any excess fees to such Deposit Account.

Respectfully submitted,

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Attachments

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